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L5	1	703/18.ccls. and @pd>"20070801"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/10/17 16:44
L8	178	power and (noise adj analysis) and plane\$1 and @ad<"20030601"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/10/17 16:52
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[Hybrid electromagnetic modeling of noise interactions in packaged electronics based on the partial- ... - all 5 versions »](#)

W Pinello, AC Cangellaris, A Ruehli - Microwave Theory and Techniques, IEEE Transactions on, 1997 - ieeexplore.ieee.org

... interconnect delay, reflection, and simultaneous **switching noise**. ... interconnects on **printed circuit boards**, which ... a rigorous electromagnetic **PEEC** model, while ...

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[Wave model solution to the ground/power plane noise problem - all 3 versions »](#)

GT Lei, RW Techentin, PR Hayes, DJ Schwab, BK ... - Instrumentation and Measurement, IEEE Transactions on, 1995 - ieeexplore.ieee.org

... known as delta-I or **switching noise**, appears as ... The **PEEC** techniques yield equivalent circuits in terms of ... x 7.5 in) double- sided **printed circuit board**, with ...

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[Analysis of power/ground-plane EMI decoupling performance using the partial-element equivalent ... - all 4 versions »](#)

B Archambeault, AE Ruehli - Electromagnetic Compatibility, IEEE Transactions on, 2001 - ieeexplore.ieee.org

... and TA Schreyer, "Computation of **switching noise** in **printed circuit boards**," IEEE ... for the partial element equivalent circuit (**PEEC**) method," presented ...

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[Modeling and simulation of core \*\*switching noise\*\* for ASICs - all 4 versions »](#)

N Na, J Choi, M Swaminathan, JR Libous... - IEEE Transactions on Advanced Packaging, 2002 - ece.gatech.edu

... CBGA) package on a **printed circuit** board (PCB ... the role of plane resonances on core **switching noise**. ... partial element equivalent circuit (**PEEC**) based approaches ...

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[Estimating the noise mitigation effect of local decoupling in \*\*printed circuit\*\* boards - all 5 versions »](#)

J Fan, W Cui, JL Drewniak, TP Van Doren, JL ... - Advanced Packaging, IEEE Transactions on [see also ... , 2002 - ieeexplore.ieee.org

... H IGH-FREQUENCY noise in **printed circuit** boards (PCBs ... referred to as simultaneous **switching noise** (SSN) and ... partial element equivalent circuit (**PEEC**) [10], [11] ...

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[An efficient simultaneous \*\*switching noise\*\* analysis of high density multi-layer packages and PCBs ...](#)

JH Choi, YS Hong, CW Ko, YG Kim, TS Kim, JT Kong - VLSI and CAD, 1999. ICVC'99. 6th International Conference on, 1999 - ieeexplore.ieee.org

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JG Yook, V Chandramouli, LPB Katehi, KA Sakallah, ... - Components, Packaging, and Manufacturing Technology, Part A, ..., 1997 - [ieeexplore.ieee.org](#)

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T Kamgaing, OM Ramahi - Microwave and Wireless Components Letters, IEEE [see also ..., 2003 - [ieeexplore.ieee.org](#)

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... and achieve the desired resolution for a full-chip **switching noise** analysis, we use ... and the bottom of the package is attached to the **printed circuit** board (PCB ...

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IEEE JNL IEEE Journal or Magazine

  

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

1. **Subject Index**[Electromagnetic Compatibility, IEEE Transactions on](#)

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Na, N.; Swaminathan, M.; Libous, J.; O'Connor, D.;

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29 May-1 June 2001 Page(s):1095 - 1101

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[AbstractPlus](#) | [Full Text: PDF\(312 KB\)](#) IEEE CNF[Rights and Permissions](#)3. **Progress in the methodologies for the electrical modeling of interconnects and electronic packages**

Ruehli, A.E.; Cangellaris, A.C.;

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Jun Fan; Hao Shi; Orlandi, A.; Knighten, J.L.; Drewniak, J.L.;

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Volume 24, Issue 2, May 2001 Page(s):143 - 157

Digital Object Identifier 10.1109/6040.928748

[AbstractPlus](#) | [References](#) | [Full Text: PDF\(376 KB\)](#) IEEE JNL[Rights and Permissions](#)5. **Modeling and simulation of core switching noise for ASICs**

Nanju Na; Jinwoo Choi; Swaminathan, M.; Libous, J.R.; O'Connor, D.P.;

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Ramahi, O.M.; Subramanian, V.; Archambeault, B.;

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[Yook, J.-G.; Chandramouli, V.; Katehi, L.P.B.; Sakallah, K.A.; Arabi, T.R.; Schreyer, T.A.; Components, Packaging, and Manufacturing Technology, Part A, IEEE Transactions on](#) [see also [Components, Packaging, and Manufacturing Technology, IEEE Transactions on](#)]

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